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Liba Svobodova

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Chandramohan A. Thekkath, Timothy Mann, Edward K. Lee

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Bruno Braban, Peter Schlenk

April 1989 **ACM SIGOPS Operating Systems Review**, Volume 23 Issue 2

Publisher: ACM Press

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PM is a new object-oriented methodology which allows a more structured approach to the specification and implementation of software for distributed and multiprocessor architectures. In order to evaluate the correctness and efficiency of the PM prototype implementation, it has been decided to build a highly parallel distributed file system as a first application. This paper outlines the design of this file system. Starting with the proposal of an overall structure for the system, we will then deta ...

Keywords: concurrency control, file system design, object-oriented programming, parallel computing, transactions

4 [Extending ACID semantics to the file system](#)

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